

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049443 A1

(51) International Patent Classification⁷: **B65D 41/34**, 50/04, 51/18, 41/04

(21) International Application Number: **PCT/EP2004/012056**

(22) International Filing Date: 26 October 2004 (26.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 03257261.2 31 October 2003 (31.10.2003) EP

(71) Applicants (for all designated States except US): **CROWN PACKAGING TECHNOLOGY INC [US/US]; 11535 S.Central Avenue, Alsip, Illinois 60803-2599 (US). CROWN PACKAGING UK PLC [GB/GB]; Downsview Road, Wantage, Oxfordshire OX12 9BP (GB).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RAMSEY, Christopher [GB/GB]; Braeside, Manor Road, Wantage, Oxfordshire OX12 8DP (GB). SKELTON, Steven, Andrew [GB/GB]; 6 Paton Street, Alloa, Clackmannanshire FK10 2DY (GB). MCIVOR, Charles, Anthony [GB/GB]; 15 Myreton Drive, Bannockburn, Sterling FK7 8PU (GB). MCCLUSKIE, Steven, Allen [GB/GB]; 17 Mossouse, Torbrex, Stirling FK7 9HE (GB).**

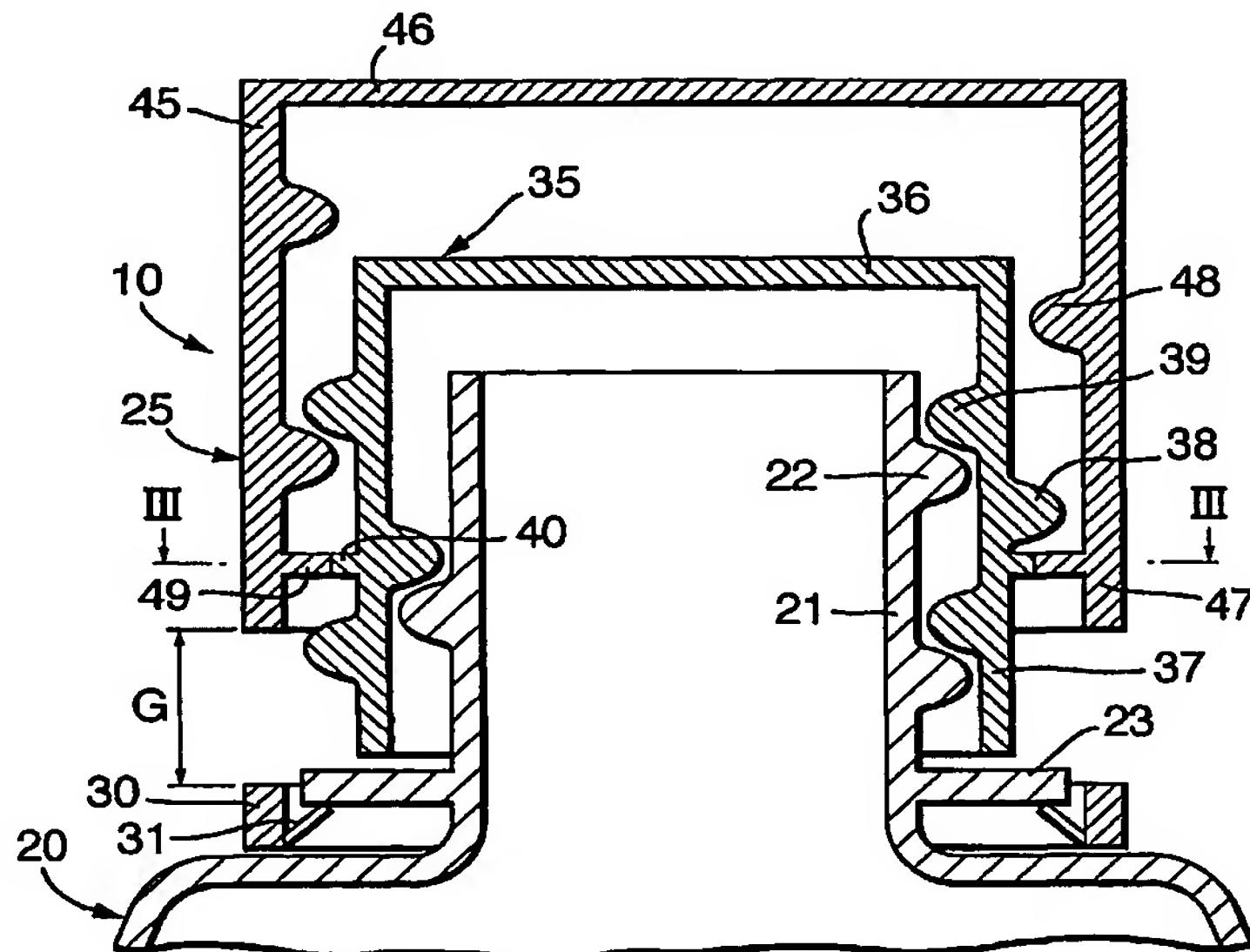
(74) Agent: **SMITH, Debra, Jane, Clare; Crown Packaging UK PLC, Downsview Road, Wantage, Oxfordshire OX12 9BP (GB).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: A TAMPER-EVIDENT CLOSURE



WO 2005/049443 A1

(57) Abstract: A tamper-evident closure (10) for a container (20) is provided. The closure (10) comprises a first portion (25) including inner (35) and outer (45) parts, and a second portion (30). The outer part (45) is movable relative to the inner part (35) from a first position in which the outer part (45) is immediately adjacent the second portion (30) to a second position in which there is an empty, unobstructed gap (G) therebetween. The inner (35) and outer (45) parts are adapted to become irreversibly locked in the second position so that the outer part (45) cannot be moved back to the first position to close the gap (G). A combination of such a closure (110) with an in-bore filament (100) connectable to a container (120) is also provided.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*